SOUTHERN MANATEE FIRE RESCUE DISTRICT



FY20 Proposed Capital Improvement Plan

FY2020 thru FY2025

Developed by: Southern Manatee Fire Rescue District



Project No. 2013FADM Title: Fire Administration 2451 Trailmate Dr.

Programmed Funding (Non-Appropriated CIP Funding)

Programmed Funding	Appropriated to Date	Budgeted FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
\$4,226,511	\$0	\$0	\$0	\$0	\$0	\$0	\$0

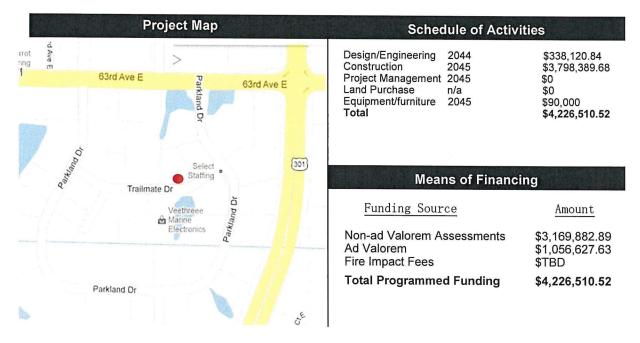
Description and Scope

In 2005 the District constructed under roof 14,121 sq. ft. state of the art Administrative Complex that houses their Chief Officers, Administrative personnel, Operations, Training, and Fire Prevention Divisions. This building also houses our Fire Commission Chambers for the public and Fire Commissioners to hold their meetings. This chamber also serves as the Emergency Operations Center (EOC) during man-made and natural disasters. The Districts Information Technology Center is also located within this facility. The total cost to construct this facility was \$1,921,134.52.

Rationale

This facility was constructed to the 2005 building standards and codes as it relates to fire and hurricanes. The normal life expectancy of a building is between forty (40) to fifty (50) years. Properly scheduled preventative maintenance can prolong the life expectancy. The District must create a plan for the replacement of their facilities and needs to create a funding strategy now so when it comes time to replace a facility, the funding is in place.

Funding Strategy





Project No. 2013STA1 Title: Station #1 6100 15th Street East

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Programmed Funding	Appropriated to Date	Budgeted FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
\$3,445,500	\$0	\$0	\$0	\$0	\$0	\$0	\$0

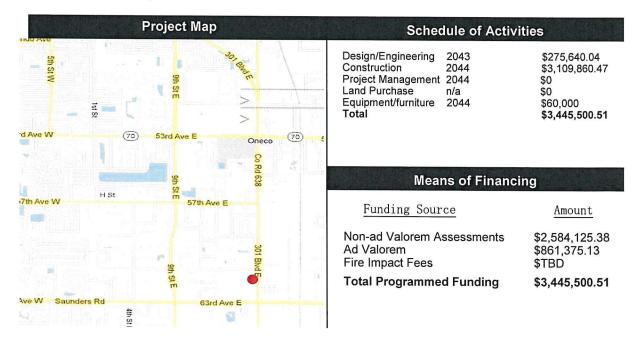
Description and Scope

In 2004 the District constructed a 12,500 sq.ft. under roof Fire Rescue facility that operates 24/7 in providing Fire Rescue services. This facility houses a Battalion Chief, two (2) Lieutenants and six (6) firefighters per 24 hr. shift that operates 2 Class A Engines and a Command Vehicle. In addition, the District has a lease agreement with Manatee County EMS in which they staff two (2) personnel at this facility per 24 hr. shift that operates one (1) ALS Ambulance. The total cost to construct this facility was \$1,566,136.51.

Rationale

This facility was constructed to the 2004 building standards and codes as it relates to fire, hurricane, (FEMA) and NFPA. The normal life expectancy of a building is between forty (40) to fifty (50) years. Properly scheduled preventative maintenance can prolong the life expectancy. The District must create a plan for the replacement of their facilities and needs to create a funding strategy now so when it comes time to replace a facility, the funding is in place.

Funding Strategy





Project No. 2013STA2 Title: Station #2 1911 30 Avenue East

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Programmed Funding	Appropriated to Date	Budgeted FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
\$3,594,911	\$0	\$175,000	\$0	\$0	\$0	\$0	\$0

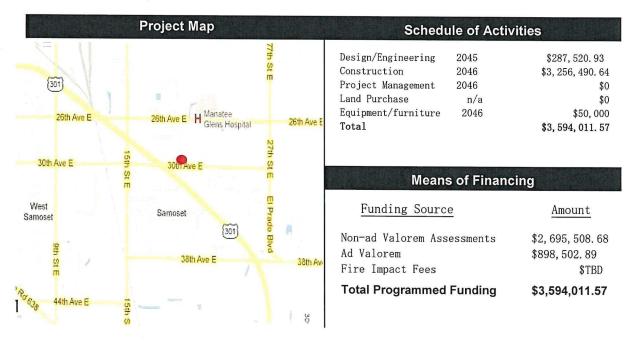
Description and Scope

In 2006 the District constructed a 9,050 sq.ft. under roof Fire Rescue facility that operates 24/7 in providing Fire Rescue services. This facility houses a Lieutenant and five (5) firefighters per 24 hr. shift that operates a Class A Engine and a Hazardous Materials Response Vehicle. In addition a reserve Engine is stored at this facility. Located behind this facility is another small building that houses our Logistics. The total cost to construct this facility was \$1,633,641.57. Out of this 9050 sq. ft. only 1950 sq. feet was dedicated to living area. February 2018 we began running Squad 328 24/7 with 2 FF/Haz Techs per shift. The Board approved replacement of the 1994 Squad 328 and in the FY19 budget the District purchased a new Squad 328 which we will take delivery in fall 2019. The new Squad 328 will be staffed with 3 FF/HZMT per shift, however with the additional personnel the District will need to do some renovations to increase the living area, bunkroom and bathroom square footage to accommodate todays diverse workforce.

Rationale

This facility was constructed to the 2006 building standards and codes as it relates to fire, hurricane, (FEMA) and NFPA. The normal life expectancy of a building is between forty (40) to fifty (50) years. Properly scheduled preventative maintenance can prolong the life expectancy. The District must create a plan for the replacement of their facilities and needs to create a funding strategy now so when it comes time to replace a facility, the funding is in place.

Funding Strategy





Project No. 2013STA3 Title: Station #3 7611 Prospect Road

Programmed Fu	ınding (Non-Approp	riated CIP Funding)
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Programmed Funding	Appropriated to Date	Budgeted FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
\$3,701,262	\$0	\$0	\$0	\$0	\$0	\$0	\$0

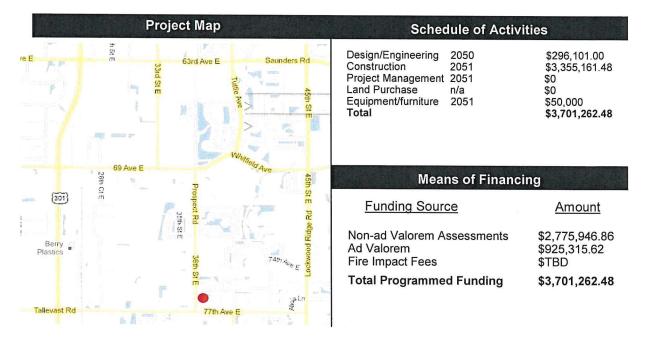
Description and Scope

In 2011 the District constructed a 7,618 sq.ft. under roof Fire Rescue facility that operates 24/7 in providing Fire Rescue services. This facility houses a Lieutenant and three (3) firefighters per 24 hr. shift that operates a 107' Ladder Truck. Also, the District stores a reserve Engine at this Station. In addition, the District has a lease agreement with Manatee County EMS in which they staff two (2) personnel at this facility per 24 hr. shift that operates one (1) ALS Ambulance. A 6000/4000 gal. fuel tank is located on this land site. The total cost to construct this facility was \$1,682,392.08.

Rationale

This facility was constructed to the 2011 building standards and codes as it relates to fire, hurricane, (FEMA) and NFPA. The normal life expectancy of a building is between forty (40) to fifty (50) years. Properly scheduled preventative maintenance can prolong the life expectancy. The District must create a plan for the replacement of their facilities and needs to create a funding strategy now so when it comes time to replace a facility, the funding is in place.

Funding Strategy





Project No. 2013STA4 Title: Station #4 5228 45th Street East

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Programmed Funding	Appropriated to Date	Budgeted FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
\$3,701,262	\$0	\$0	\$0	\$0	\$0	\$0	\$0

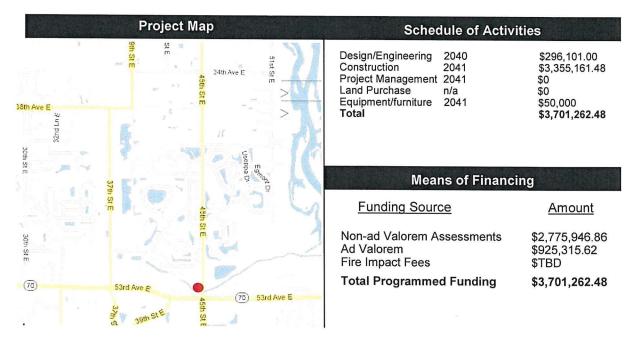
Description and Scope

In 2001 the District constructed a 6,776 sq.ft. under roof Fire Rescue facility that operates 24/7 in providing Fire Rescue services. This facility houses a Lieutenant and three (3) firefighters per 24 hr. shift that operates a Class A Engine. The total cost to construct this facility was \$874,904.42. Station #4, Engine 341 will become an Advanced Life Support—Paramedic Engine in 2020.

Rationale

This facility was constructed to the 2001 building standards and codes as it relates to fire, hurricane, (FEMA) and NFPA. The normal life expectancy of a building is between forty (40) to fifty (50) years. Properly scheduled preventative maintenance can prolong the life expectancy. The District must create a plan for the replacement of their facilities and needs to create a funding strategy now so when it comes time to replace a facility, the funding is in place.

Funding Strategy





Project No. 2013STA5 Title: Station #5 7301 Honore Avenue

			Programn	iea Funaing	(Non-Appr	opriated CIF	Funding)
Programmed Funding	Appropriated to Date	Budgeted FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
\$3,214,826	\$0	\$0	\$0	\$0	\$0	\$0	\$0

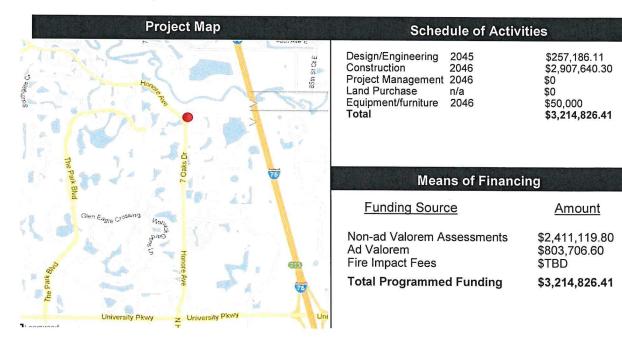
Description and Scope

In 2006 the District constructed a 6,776 sq.ft. under roof Fire Rescue facility that operates 24/7 in providing Fire Rescue services. This facility houses a Lieutenant and three (3) firefighters per 24 hr. shift that operates a Class A Engine. The total cost to construct this facility was \$1,461,284.81. Engine 351 will become an Advanced Life Support—Paramedic Engine in 2019-2020.

Rationale

This facility was constructed to the 2006 building standards and codes as it relates to fire, hurricane, (FEMA) and NFPA. The normal life expectancy of a building is between forty (40) to fifty (50) years. Properly scheduled preventative maintenance can prolong the life expectancy. The District must create a plan for the replacement of their facilities and needs to create a funding strategy now so when it comes time to replace a facility, the funding is in place.

Funding Strategy





Project No. 2019ALSEQU01 Title: Advanced Life Support (ALS) Program

Mosales County Postda			Programn	ned Funding	(Non-Appr	opriated CIF	P Funding)
Programmed Funding	Appropriated to Date	Budgeted FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
		De	escription	and Scope		建设有效	经 体产品推 不必

In May 2017 the Districts Fire Commissioners approved the implementation plan to operate Advanced Life Support (ALS) Non-Transport Engines. Our plan calls for us to operate two (2) ALS-Paramedic Fire Engines, one at Station 4 and the other at Station 5 in a 2.5 year implementation time-line. Our plan has 6 stages, Stage 1 requires sending qualified Firefighter/EMT's to Paramedic School to obtain State Certification, this has started and we currently have 4 in school with the next class starting in fall of 2018. Stage 2 is to develop and execute a contract for Medical Direction with Dr. Nonell, this is contained within the FY19 Budget. We have a final draft that is ready for Board review and approval. Stage 3 is the purchase of equipment and supplies. I have obtained a lot of equipment at little to no cost to the District either through surplus, grants or donation, however we want to operate a "World Class" program and provide our personnel and our citizens with the stateof-the-art technology/equipment in assessing/treating our patients. This CIP is for the purchase of three (3) complete LIFEPAK 15's monitors/defibrillators/pacemaker that includes Sp02, EtC02, CO monitoring, noninvasive blood pressure, 12-15 Lead EKG's. Each set includes support charger and batteries. Each ALS non-Transport Engine will have one assigned to it with a spare in reserve during preventative maintenance checks and for training. Physio-control offers different options for the purchase of this equipment from out-right purchase to leasing this equipment.

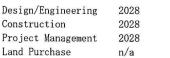
Rationale

Physio-control products have been proven over 50 years and is the #1 leader in the industry both in pre-hospital care and hospital care. Equipment was purchased in December 2018.

Funding Strategy

Funding for this project will be through ad valorem taxes and impact fees.

Project Map







Schedule of Activities





Funding Source	Amount
Non-Ad Valorem Assessments Ad Valorem Taxes Fire Impact Fees	\$172,500 \$172,500 \$TBD
Total Programmed Funding	\$345,000



Project No. 2019HZ01 Title: Hazardous Materials Response Vehicle

ΨΟ	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$0	^	40	¢0	60	0.0	40	••
Programmed Funding	Appropriated to Date	Budgeted FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Monotive County Florido			Programm	ned Funding	(Non-Appr	opriated CIF	Funding)

Description and Scope

Adding this additional apparatus to the fleet will allow the District to achieve reduced response times in the University Park Country Club / Palm Aire area by using this apparatus to provide coverage during training drills and be used on move ups to reduce response times during peak times. Additionally, this program will allow for the immediate response of Haz-Mat Technicians and specialized equipment to control and mitigate hazardous material incidents.

Rationale

The District has been monitoring the increase in response times in the UPCC area and have tried move-ups & response matrix changes to reduce, however they still occur. Adding an additional apparatus will allow us the flexibility to move this unit into these areas during training and during peak busy times. Currently there is substantial delay in getting Haz-Mat Technicians and equipment to an incident due to the fact that currently equipment and supplies are located in a 1994 vehicle that donated by the Manatee County Sheriff's Department and tow trailers. Under the current practice it could take up to 30 minutes or longer before Haz-Mat Technicians and equipment arrive on scene. Delays like this results could result in further injury/death as well as damage to the environment. Having a vehicle staffed 24/7 with Haz-Mat Technicians and the appropriate equipment will result in an immediate response and lessen the impact to the environment and to our citizens. This new response vehicle would be a combination Class A Engine and Haz-mat Vehicle and since it will be running on all calls it will get credited by the insurance service office and assist in lowering insurance premiums besides response times. This vehicle and personnel will be assigned to Station 2.

Funding Strategy

Funding for this apparatus will be through a combination of non-ad valorem assessments, ad valorem and impact fees. Truck was purchased and will take delivery October November 2019.



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Design/Engineering	2034	\$0
Construction	2035	\$0
Project Management	2034	\$0
Land Purchase	n/a	\$0
Equipment/furniture	2035	\$850,000
Total		\$850,000

Schedule of Activities

Funding Source	Amount
Non-ad Valorem Assessments Ad Valorem Fire Impact Fees	\$425, 000 \$425, 000 \$TBD
Total Programmed Funding	\$850,000



Project No. 2015SCBA01 Title: Self-Contained Breathing Apparatus

Programmed Funding (Non-	Appropriated CIP Funding)

Programmed Funding	Appropriated to Date	Budgeted FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
\$490,000	\$275,000	\$0	\$0	\$0	\$0	\$0	\$490,000

Description and Scope

This program establishes a replacement of all of the Fire District's Self-Contained Breathing Apparatus (SCBA) to ensure that we stay compliant to the NFPA Standards and to ensure the safety of personnel working in a dangerous atmosphere. In 2015 the District replaced all air packs, bottles, facemasks, R.I.T. packs, radio-interfaces, and accountability systems Self-contained breathing apparatus should be replaced every ten (10) years, next replacement will be in 2025.

Rationale

We are required to outfit our personnel with the appropriate safety protection, which includes SCBA. The life span of SCBA is around ten (10) years, however periodically there are updates to these devices that require upgrades at our cost. Sometimes the cost of the upgrades and maintenance cost would total half of what the actual cost of a brand new SCBA.

Funding Strategy

Future projects would be funded through revenue received from fire non-ad valorem assessments, Ad valorem and impact fees. The District will also look into FEMA Fire Act Grants like it has done in the past for funding.

Project Map

Schedule of Activities

Design/Engineering	2024	\$0
Construction	2024	\$0
Project Management	2024	\$0
Land Purchase	n/a	\$0
Equipment/furniture	2025	\$490,000
Total		\$490,000

Funding Source	<u>Amount</u>
Non-ad Valorem Assessments Ad Valorem Fire Impact Fees	\$220,500 \$220,500 \$49,000
Total Programmed Funding	\$490,000



Project No. 2013SV01 Title: Vehicle Replacement Program

Florida			Programn	ned Funding	(Non-Appre	opriated CIF	Funding)
Programmed Funding	Appropriated to Date	Budgeted FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
\$0	\$872,108.67	\$0	\$0	\$0	\$0	\$0	\$0
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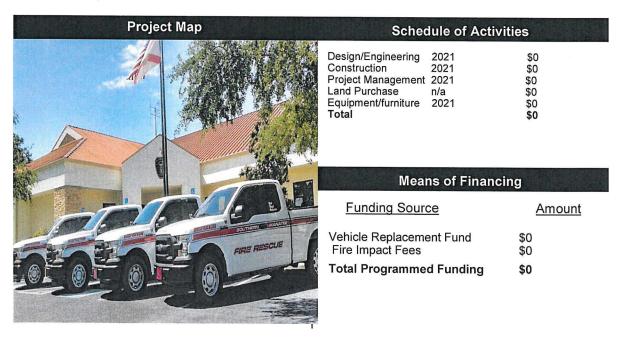
In 2013 the District created a vehicle replacement program that incorporated NFPA life cycles for all types of apparatus, initial purchase costs, annual maintenance cost, mileage, condition, type of service used for, and reliability. Each of these areas are assessed points, Under 18 points, vehicle is considered excellent, 18-22 points indicates good, 23-27 points qualifies for replacement, 28 points and above needs immediate attention and could be considered unsafe, This program that is used is a Best Business Practice and truly tracts a vehicle through its life cycle and produces reliable data to justify its replacement.

Rationale

Nothing planned for FY20.

Funding Strategy

Funding for this apparatus will be through a combination of non-ad valorem assessments, ad valorem and impact fees.





Project No. 2014FG01 Title: Fire Safety Gear

	Programmed Funding (No	n-Appropriated CIP Funding)
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Programmed Funding	Appropriated to Date	Budgeted FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
\$240,000	\$25,000	\$0	\$0	\$0	\$0	\$0	\$240,000

Description and Scope

This project is for the purchase on a second set of structural firefighting gear for each our employees. Currently our employee's have one set of fire gear, however NFPA recommends fire departments to provide two (2) sets of structural fire gear, and recommends this fire gear be replaced on a ten (10) year replacement cycle and during this ten (10) year cycle that fire gear is maintained, cleaned and inspected annually.

Rationale

The District is in compliance with this NFPA recommendation as it relates to maintenance, cleaning and inspection of its fire gear and now with this 2nd set it will be placed into the replacement cycle which will be in FY2029. The 1st set of fire gear was purchased in 2014, this set is recommended to be replaced in 2024 and this 2nd set of fire gear is recommended to be replaced in 2029.

Funding Strategy

Project Map	Schedule of Activi	ties
	Design/Engineering 2024 Construction 2024 Project Management 2024 Land Purchase n/a Equipment/furniture 2024 Total	\$0 \$0 \$0 \$0 \$240,000 \$240,000
73	Means of Financi	ng
	Funding Source	Amount
	Non-ad Valorem Assessments Ad Valorem Fire Impact Fees	\$120,000 \$120,500 \$0
	Total Programmed Funding	\$240,000



Project No. 2013FV01 Title: Vehicle Replacement Program

Programmed Funding	(Non-Appropriated	CIP Funding)
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Programmed Funding	Appropriated to Date	Budgeted FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
\$0	\$872,108.67	\$0	\$575,500	\$0	\$0	\$0	\$0

Description and Scope

In 2013 the District created a vehicle replacement program that incorporated NFPA life cycles for all types of apparatus, initial purchase costs, annual maintenance cost, mileage, condition, type of service used for, and reliability. Each of these areas are assessed points, Under 18 points, vehicle is considered excellent, 18-22 points indicates good, 23-27 points qualifies for replacement, 28 points and above needs immediate attention and could be considered unsafe, This program that is used is a Best Business Practice and truly tracts a vehicle through its life cycle and produces reliable data to justify its replacement.

Rationale

In FY 2021, the District will need to replace one Class A Engine, which will be the last Engine purchase under the vehicle replacement program since all District apparatus would have been replaced and on a scheduled replacement which will begin once again in 2024. There will be 3 to 4 years to build funding into this account to once again replace apparatus by paying cash up front to receive a bigger reduction in the price. The District utilizes the State of Florida Apparatus Bid for the purchase of our apparatus, again further reduction in apparatus cost. The old vehicles and fire apparatus will be sold on auction and this money will be put back into the vehicle replacement program. Each year the Apparatus Replacement Committee evaluates/updates the replacement schedule.

Funding Strategy

Funding for this apparatus will be through a combination of non-ad valorem assessments, ad valorem and impact fees.

Project Map

Schedule of Activities

Design/Engineering	2020	\$0
Construction	2021	\$575,500
Project Management	2020	\$0
Land Purchase	n/a	\$0
Equipment/furniture	2020	\$0
Total		\$575, 500

Total Programmed Funding	\$575,500
Vehicle Replacement Fund Fire Impact Fees	\$575, 500 TBD
Funding Source	Amount



Project No. 2015TRAFAC Title: Training Academy 7611 Prospect Rd.

Programmed Funding (Non-Appropriated CIP Funding)

Programmed Funding	Appropriated to Date	Budgeted FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
\$750,000	\$0	\$0	\$0	\$0	\$0	\$65,000	\$685,000

Description and Scope

In 1982 the District constructed a 2 story Butler style building for their Sta. #3, which in 2011 they constructed another facility next to this building as their new Sta. #3. This old facility is adjacent to the new facility and the District currently uses this facility for training. However it is not a true fire training building. This project calls for using the existing building or tear-down and rebuild under the same foot print a true fire training tower / building that allows for realistic hands-on training drills. This new facility would incorporate smoke and heat and would allow for different scenarios.

Rationale

The District is required to provide our employee's with realistic hands-on training drills and we currently do not have a facility to provide this. Since the District already owns the property and already has an old fire station that we are limited on what type of training that we can provide, this project calls for either utilizing and retrofitting this old facility into a training tower or tearing down the old building and rebuilding under the same foot print. In addition to providing realistic hands on training to our personnel, we could open it up and charge other agencies a fee for their use.

Funding Strategy

Future projects would be funded through revenue received from fire non-ad valorem assessments, Ad valorem and impact fees.



Schedule of Activities

Design/Engineering	2024	\$65,000
Construction	2025	\$660,000
Project Management	2024	\$0
Land Purchase	n/a	\$0
Equipment/furniture	2025	\$25,000
Total		\$750,000

Funding Source	<u>Amount</u>
Non-ad Valorem Assessments Ad Valorem Fire Impact Fees	\$375,000 \$375,000 \$TBD
Total Programmed Funding	\$750,000